



Name: _____

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Geometry, Period _____

Due Date: Thu, 2 Oct 2014

HW27_MidpointGRASP+Unit1Review

**Geometry
Homework**

(Form A)

Failure to show work on all problems or use complete sentences will result in a LaSalle.

Example 1: A triangle is located in the (x,y) coordinate plane. The vertices of triangle ABC are A(4, 1), B(-7, 2) and C(0, 5). What are the coordinates for the midpoint of AB?

G oal (what's the goal?)	R equired (list givens)	A nalysis (what do you need? How will you solve?)	S olve	P araphrase (check: does your answer make sense?)
To find the midpoint of <u>AB</u>	Endpoints A(4,1) and B(-7,2)	endpoints midpoint formula		

2) A median of a triangle is a line segment from one vertex to the midpoint of the opposite side. For example, A is a vertex and AE is the line segment that bisects BC. Find the coordinate of each midpoint created by each median (D, E, and F).

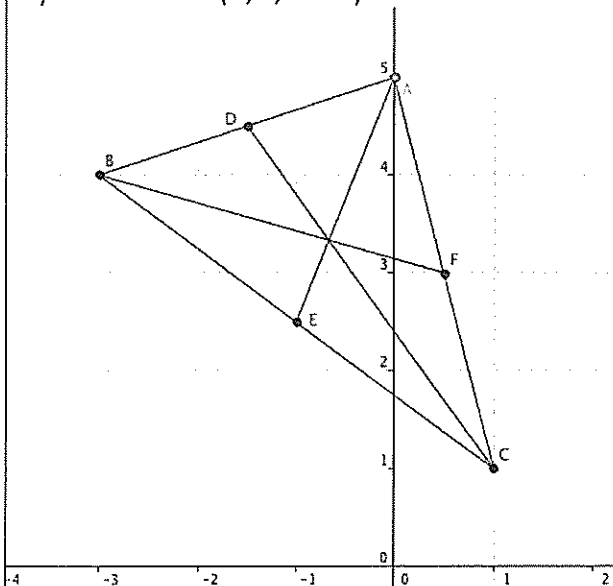
G:

R:

A:

S:

P:



Unit 2 Review! (Quiz Friday, Unit Test Tuesday)

Use the description of a number line below to answer questions 3 – 6. Sketch the number line below before answering the questions.

On a number line, point W is located at 3, X is located at -5 , Y is located at -16 , and Z is located at 11.



3. What is the distance, in coordinate units, between points W and Z ? *Think absolute value here*

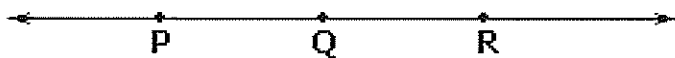
4. What is the distance, in coordinate units, between points Y and Z ? *Think absolute value here*

5. How much longer is WY than XZ ?

6. How much longer is YZ than WX ?

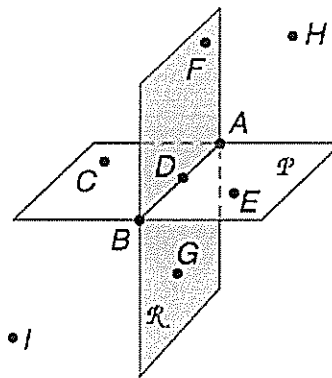
7. Which of the following best describes the points P , Q , and R ?

- I. The points P , Q , and R are collinear
- II. The points P , Q , and R are non-collinear
- III. The points P , Q , and R are on the plane R



- A. I only
- B. II only
- C. I, II, and III
- D. III only

8. Use the diagram below.



Name all the points on plane P _____

Name all the points on plane R _____

Name 3 collinear points _____

Name 3 non-collinear points G, D, E